

FORCE - DISPLACEMENT RESPONSE OF THE FIBER/MATRIX INTERPHASE

Material : Glass-Fiber / Epoxy-Amine Composite Interphase

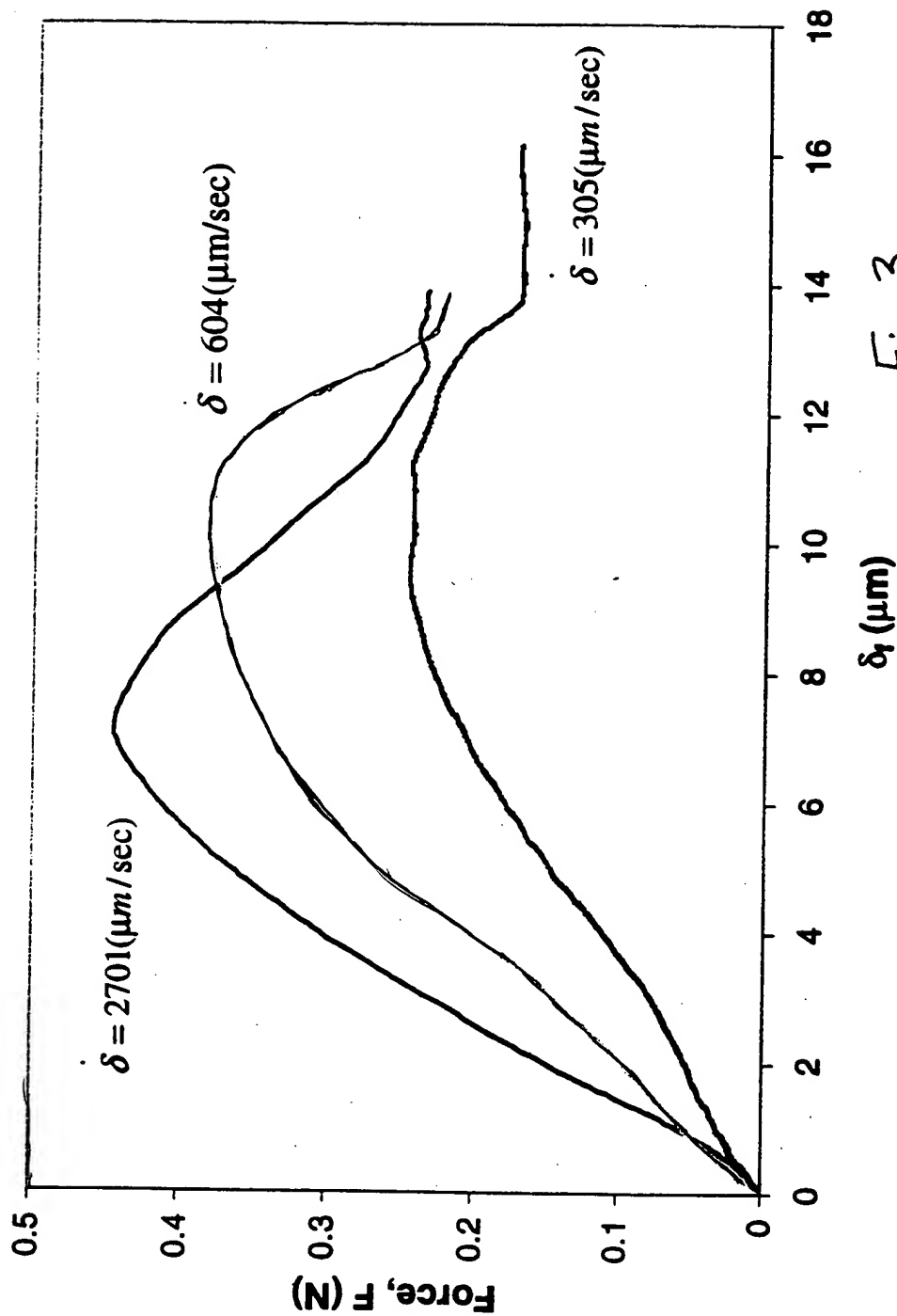
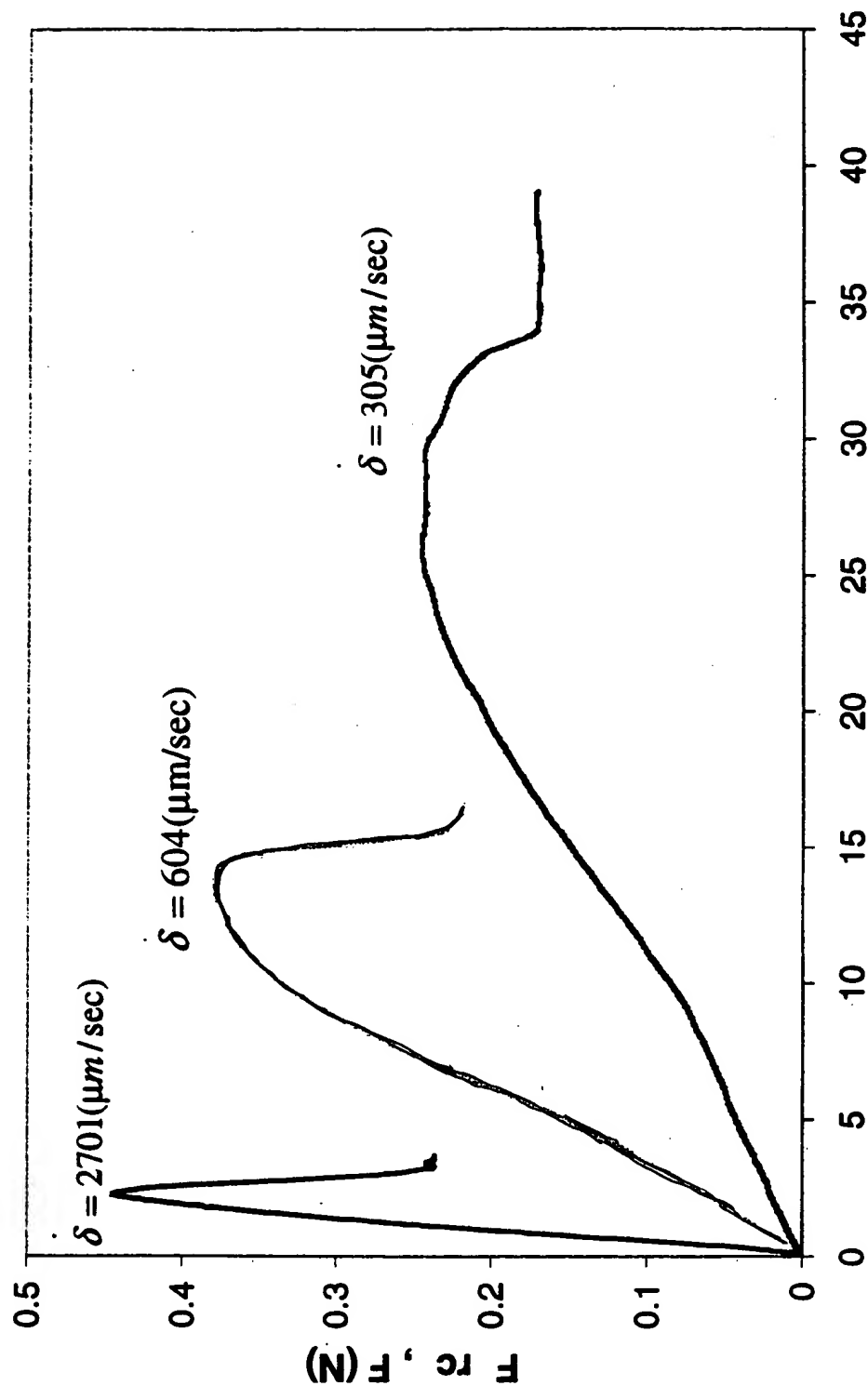


Fig. 3

FORCE RESPONSE OF THE FIBER/MATRIX INTERPHASE AS A FUNCTION OF TIME

Material : Glass-Fiber / Epoxy-Amine Composite Interphase



Time (ms) Fig. 4

DISPLACEMENT OF THE FIBER AS A FUNCTION OF TIME

Material : Glass-Fiber / Epoxy-Amine Composite Interphase

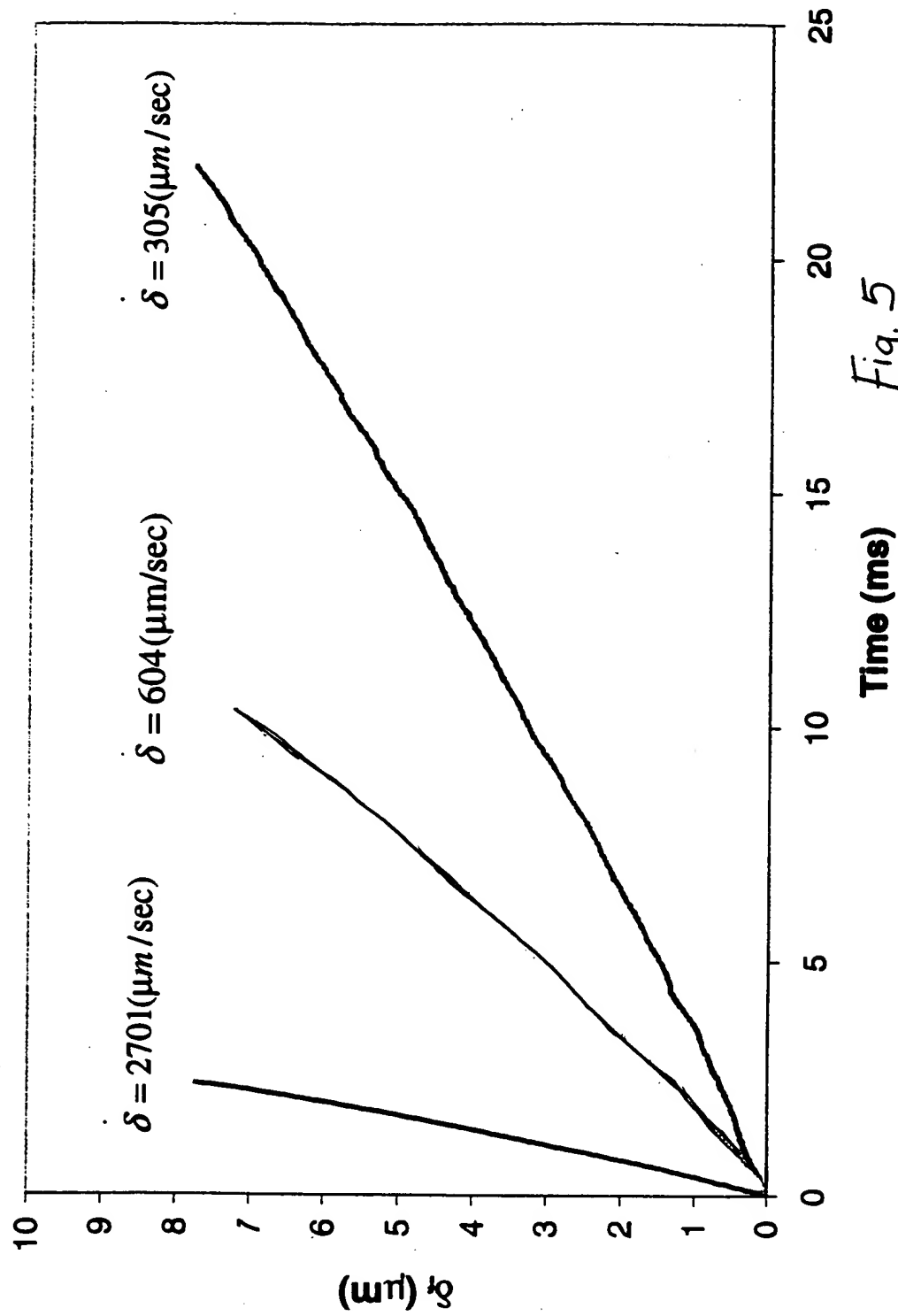


Fig. 5

DISPLACEMENT RESPONSE OF PIEZOELECTRIC ACTUATOR

$$t = RC \ln \left[1 - \frac{U_c(t)}{U_0} \right]$$

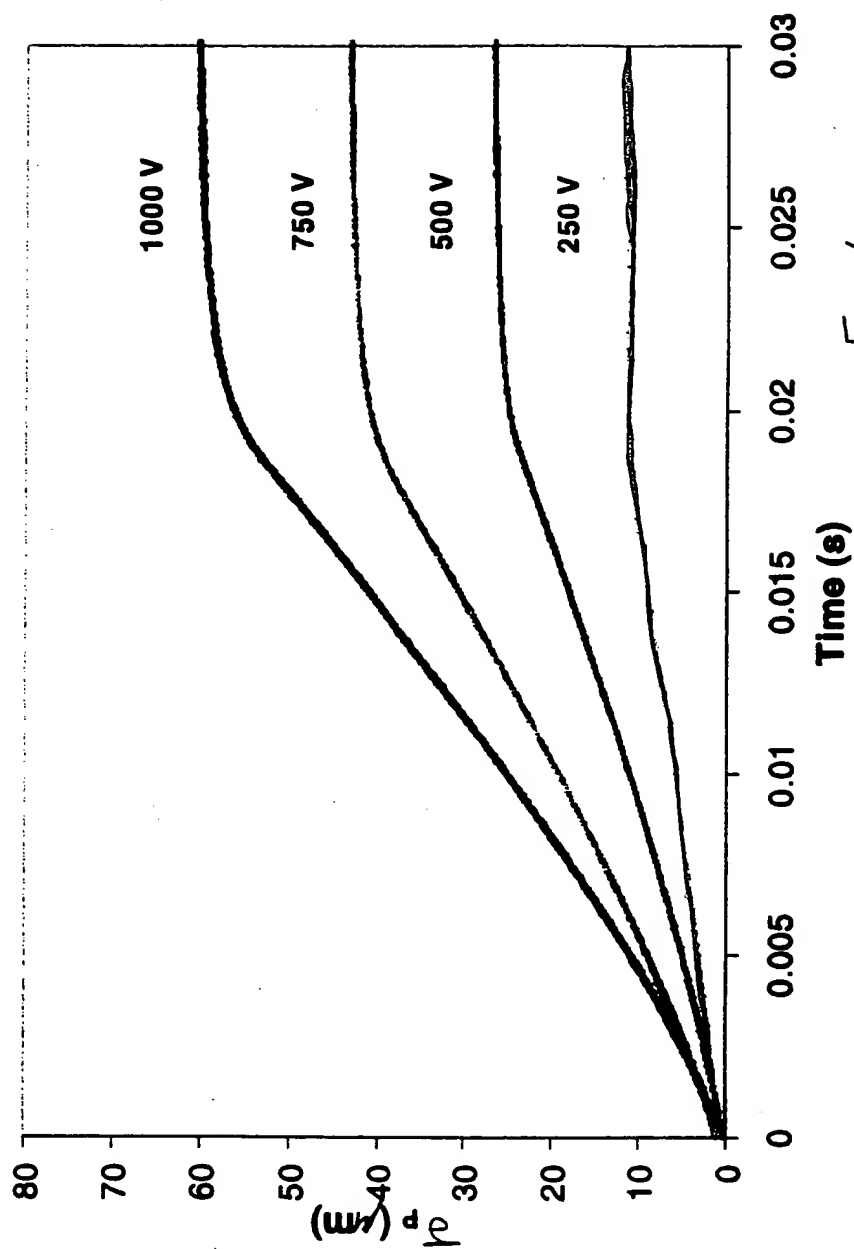


Fig. 6